3-Heterocyclyl-substituted benzoyl derivatives

5 Abstract

Benzoyl derivatives of the formula I

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where the variables have the following meanings:

 R^1 , R^2 are hydrogen, nitro, halogen, cyano, alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfinyl, haloalkylsulfinyl, alkylsulfonyl or C_1 - C_6 -haloalkylsulfonyl;

R³ is hydrogen, halogen or alkyl;

R⁴, R⁵ are hydrogen, halogen, cyano, nitro, alkyl, alkoxy, alkylthio, dialkylamino, phenyl or carbonyl, it being possible for the 6 last-mentioned radicals to be substituted;

X is O, S, NR^9 , CO or $CR^{10}R^{11}$;

35 Y is O, S, NR^{12} , CO or $CR^{13}R^{14}$;

R¹⁵ is pyrazole which is unsubstituted or substituted, linked in the 4-position and has attached to it in the 5-position a hydroxyl or sulfonyloxy radical;

and the agriculturally useful salts thereof; processes and intermediates for the preparation of the 3-heterocyclyl-substituted benzoyl derivatives; compositions comprising them; and the use of these derivatives or compositions comprising them for controlling undesirable plants.